

To: Beeler, Cindy[Beeler.Cindy@epa.gov]
From: Gilbert, Alexas
Sent: Mon 8/29/2016 10:50:21 PM
Subject: RE: oil tank composite

Yep, sorry, I received your call re: this topic. I just got a revised Bill Barrett workbook from Whitney (mine appeared corrupted) and was planning to talk to you tomorrow.

From: Beeler, Cindy
Sent: Monday, August 29, 2016 4:46 PM
To: Gilbert, Alexas <Gilbert.Alexas@epa.gov>
Subject: Re: oil tank composite

Thanks Alexas - can we talk about this tomorrow?

Cindy Beeler

EPA Region 8 Energy Advisor

Sent from my iPhone

On Aug 29, 2016, at 8:14 AM, Gilbert, Alexas <Gilbert.Alexas@epa.gov> wrote:

Within the EI data, Bill Barrett had 5 designated production areas, each of the production areas had gas analysis data associated with it.

Production area 1: only had flash gas analysis data

Production area 2: had flash gas and standing working breathing gas analysis data

Production area 3: only had flash gas analysis data

Production area 4: had flash gas and standing working breathing gas analysis data

Production area 5: only had standing working breathing analysis data

The constituents are:

	CO2
	N2
	C1
	C2
	C3
	C4
	C5
	C6
	C7
	C8
	C9
	C10
	Benzene
	Toluene
	Ethylbenzene
	Xylene
	N-Hexane

The numbers are in mole fractions.

Ex. 5 - Deliberative Process

Thanks

Alexas

From: Strum, Madeleine

Sent: Sunday, August 28, 2016 4:12 PM

To: Kosusko, Mike <kosusko.mike@epa.gov>

Cc: Beeler, Cindy <Beeler.Cindy@epa.gov>; Matichuk, Rebecca <Matichuk.Rebecca@epa.gov>; Gilbert, Alexas <Gilbert.Alexas@epa.gov>

Subject: FW: oil tank composite

Mike

Ex. 5 - Deliberative Process

Madeleine Strum|U.S. Environmental Protection Agency|109 TW Alexander Drive, RTP, NC 27711

Office of Air Quality Planning and Standards|Air Quality Assessment Division|Emission Inventory and Analysis Group|919 541 2383

Mailing Address: US EPA OAQPS (C339-02)/ RTP, NC 27711

From: Beeler, Cindy
Sent: Friday, August 26, 2016 11:03 AM
To: Strum, Madeleine <Strum.Madeleine@epa.gov>; Gilbert, Alexas <Gilbert.Alexas@epa.gov>; Zull, Aaron <zull.aaron@epa.gov>
Cc: Matichuk, Rebecca <Matichuk.Rebecca@epa.gov>
Subject: Re: oil tank composite

Alexas - Did Bill Barrett provide a speciated tank emission profile as part of the UB

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

I'm cc'ing **Aaron** on this email too because he is part of the data analysis team.

Cindy Beeler

US EPA Region 8, Energy Advisor

Office of the Regional Administrator

Tel: 303-312-6204

Beeler.Cindy@epa.gov

From: Strum, Madeleine
Sent: Thursday, August 25, 2016 9:50:46 PM
To: Beeler, Cindy; Gilbert, Alexas
Cc: Matichuk, Rebecca
Subject: oil tank composite

All

The corrected Uinta Basin oil tank profiles have a very high benzene due to the profile from "Oil Field - Oil Tank Battery Vent Gas - Bill Barrett Corporation" which is 10 times more

benzene than the other 2 operators (see attachment, rows 40, 41 and 42)

I've not seen that high benzene from other oil tank profiles (East Texas or Uinta WRAP).
Did you have any newer data that can shed light on whether the composite is reliable to use
in our modeling or should we use the WRAP for this category (oil tanks)

Composite Profile 95419 Oil Tanks ERRONEOUS versus CORRECTED

SPECIES_PROPERTIES.NAME	ERRONEI	ERRONEOUS	SPECIES_PROPERTIES.NAME	CORRECTED	CORRECTED
	wt fraction TOG wt fraction	voc fraction		tog fraction	voc fraction
2,2,4-trimethylpentane	0.006049235	0.006067231	2,2,4-trimethylpentane	0.00607407	0.00881391
Benzene	0.006996714	0.007017530	Benzene	0.01507368	0.02187298
Ethylbenzene	0.002248985	0.002255676	Ethylbenzene	0.00052494	0.00076173
Isomers of xylene	0.014199917	0.014242162	Isomers of xylene	0.00360276	0.00522787
Methane	0.001914960	0.001920657	Methane	0.21979532	0.31893862
N-hexane	0.038761588	0.038876904	N-hexane	0.08221988	0.11930689
Toluene	0.014270297	0.014312751	Toluene	0.01035843	0.01503081

Thanks

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